SPYWOLF

Security Audit Report

Completed on
December 8, 2022

MADE IN USA 🇺🇸

OVERVIEW

This audit has been prepared for **MatchCup** to review the main aspects of the project to help investors make make an informative decision during their research process.

You will find a a summarized review of the following key points:

- ✔ Contract's source code
- ✔ Owners' wallets
- ✔ Tokenomics
- ✔ Team transparency and goals
- ✔ Website's age, code, security and UX
- ✔ Whitepaper and roadmap
- ✔ Social media & online presence

" The results of this audit are purely based on the team's evaluation and does not guarantee nor reflect the projects outcome and goal "
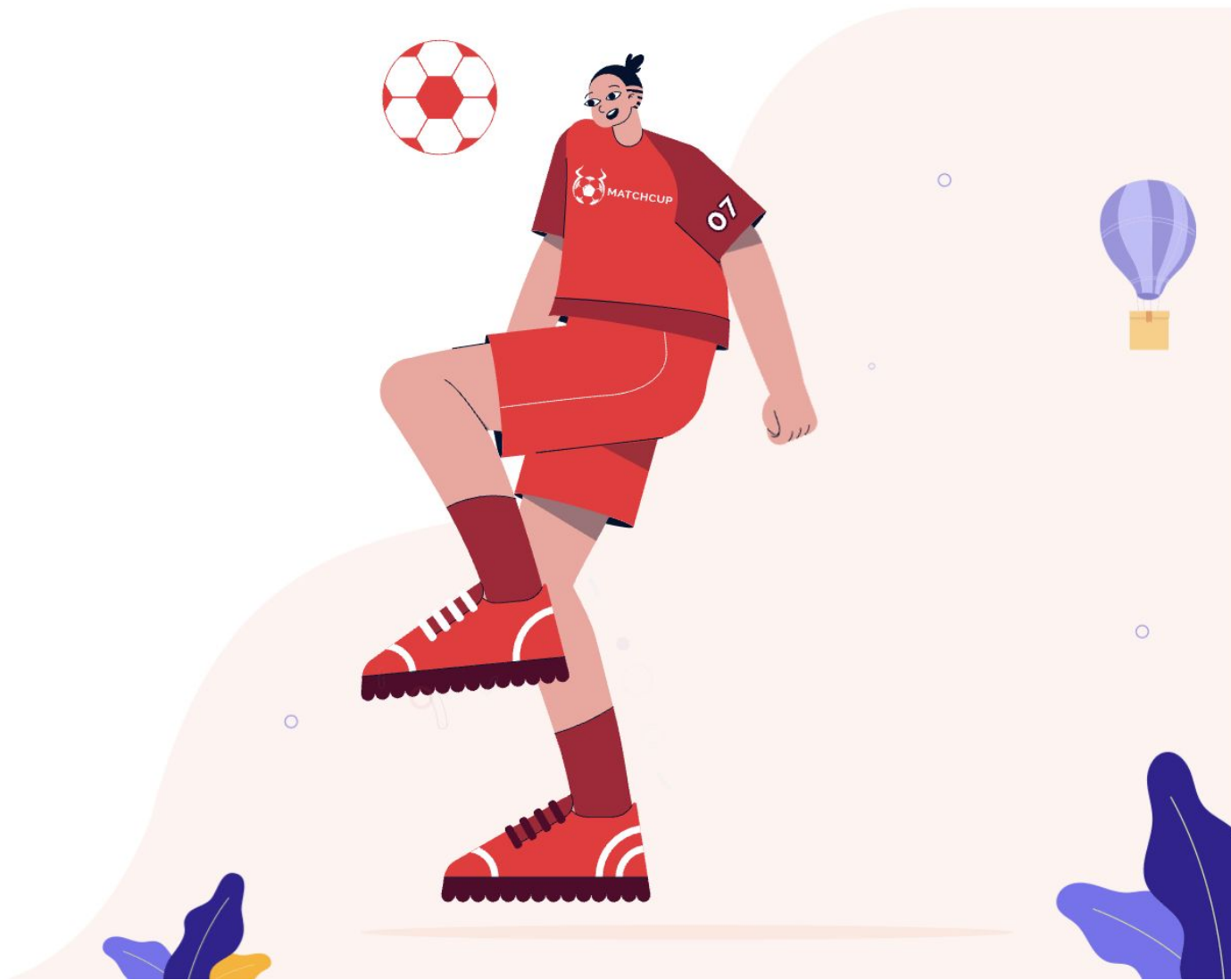
– SPYWOLF Team –

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MATCHCUP

PROJECT DESCRIPTION

According to their whitepaper:

MATCHCUP project is a utility token for the sports ecosystem providing the first sports earning.

The ecosystem will be build as platform with multiple functions and integrations based on blockchain technology and smart contracts, aims to provide unique concept for football fans from all over the world to earn money while watching their favorite football teams play.

Release Date: Presale starts in December, 2022

Category: Watch to earn

01

CONTRACT INFO

Token Name
Matchcup

Symbol
MATCH

Contract Address
0x908EF6B57a6BB5B043Ea6EF84142895b519c713c

Network
Binance Smart Chain

Language
Solidity

Deployment Date
Dec 06, 2022

Verified?
Yes

Total Supply
100,000,000

Status
Not launched

TAXES

Buy Tax
none

Sell Tax
none

*Taxes can be changed in future

Our Contract Review Process

The contract review process pays special attention to the following:

- ✓ Testing the smart contracts against both common and uncommon vulnerabilities
- ✓ Assessing the codebase to ensure compliance with current best practices and industry standards.
- ✓ Ensuring contract logic meets the specifications and intentions of the client.
- ✓ Cross referencing contract structure and implementation against similar smart contracts produced by industry leaders.
- ✓ Thorough line-by-line manual review of the entire codebase by industry experts.

Blockchain security tools used:

- OpenZeppelin
- Mythril
- Solidity Compiler
- Hardhat

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CURRENT STATS

(As of December 06, 2022)

Liquidity

Not added yet

Burn

No burnt tokens

Status:
Not Launched!

MaxTxAmount
No Limit

DEX
PancakeSwap

LP Address(es)

Liquidity not added yet

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TOKEN TRANSFERS STATS

Transfer Count	1
Uniq Senders	1
Uniq Receivers	1
Total Amount	100000000 MATCH
Median Transfer Amount	100000000 MATCH
Average Transfer Amount	100000000 MATCH
First transfer date	2022-12-06
Last transfer date	2022-12-06
Days token transferred	1

SMART CONTRACT STATS

Calls Count	1
External calls	1
Internal calls	0
Transactions count	1
Uniq Callers	1
Days contract called	1
Last transaction time	2022-12-06 16:13:29 UTC
Created	2022-12-06 16:13:29 UTC
Create TX	0x702a1b4b1af27e92efc56f9abf75b96a27000e113e31d5976086e0ecc5f47b60
Creator	0x9569486f07006c0a07c2a8eeb5b5bf29260d2667

FEATURED WALLETS

Owner address	0xe1e9f693409aef202417b38813af671c22b04ae7
LP address	**Liquidity not added yet**

TOP 3 UNLOCKED WALLETS

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100%   Same as owner

VULNERABILITY CHECK

Design Logic	Passed
Compiler warnings.	Passed
Private user data leaks	Passed
Timestamp dependence	Passed
Integer overflow and underflow	Passed
Race conditions and reentrancy. Cross-function race conditions	Passed
Possible delays in data delivery	Passed
Oracle calls	Passed
Front running	Passed
DoS with Revert	Passed
DoS with block gas limit	Passed
Methods execution permissions	Passed
Economy model	Passed
Impact of the exchange rate on the logic	Passed
Malicious Event log	Passed
Scoping and declarations	Passed
Uninitialized storage pointers	Passed
Arithmetic accuracy	Passed
Cross-function race conditions	Passed
Safe Zeppelin module	Passed
Fallback function security	Passed

THREAT LEVELS

When performing smart contract audits, our specialists look for known vulnerabilities as well as logical and access control issues within the code. The exploitation of these issues by malicious actors may cause serious financial damage to projects that failed to get an audit in time. We categorize these vulnerabilities by the following levels:

High Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Medium Risk

Issues on this level are critical to the smart contract's performance/functionality and should be fixed before moving to a live environment.

Low Risk

Issues on this level are minor details and warning that can remain unfixed.

Informational

Information level is to offer suggestions for improvement of efficacy or security for features with a risk free factor.

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ⓘ Informational

Owner cannot set buy fees.
Owner can set sell fees up to 10%.

```solidity
function updateSellFees(uint256 _marketingFeeOnSell) external onlyOwner {
    marketingFeeOnSell = _marketingFeeOnSell;

    require(marketingFeeOnSell <= 10, "Marketing fee on sell cannot be more than 10%");

    emit UpdateSellFees(marketingFeeOnSell);
}
```

Owner can withdraw any tokens from the contract except for native $MATCHUP tokens.

```solidity
function claimStuckTokens(address token) external onlyOwner {
    require(token != address(this), "Owner cannot claim contract's balance of its own tokens");
    if (token == address(0x0)) {
        payable(msg.sender).sendValue(address(this).balance);
        return;
    }
    IERC20 ERC20token = IERC20(token);
    uint256 balance = ERC20token.balanceOf(address(this));
    ERC20token.transfer(msg.sender, balance);
}
```

Owner can withdraw any tokens from the contract except for native $MATCHUP tokens.

```solidity
function excludeFromFees(address account, bool excluded) external onlyOwner{
    require(_isExcludedFromFees[account] != excluded,"Account is already the value of 'excluded'");
    _isExcludedFromFees[account] = excluded;

    emit ExcludeFromFees(account, excluded);
}
```

GOOD PRACTICES

MATCHCUP
GOOD PRACTICES FOUND

1. Consider fundamental tradeoffs

2. Be attentive to blockchain properties

3. Ensure careful rollouts

4. Keep contracts simple

5. Stay up to date and track development

✔ The owner cannot mint new tokens after deployment

✔ The owner cannot stop or pause the contract

✔ The owner cannot set a transaction limit

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⚠️ There is no information about the initial tokens distribution based on the project's whitepaper and/or website.
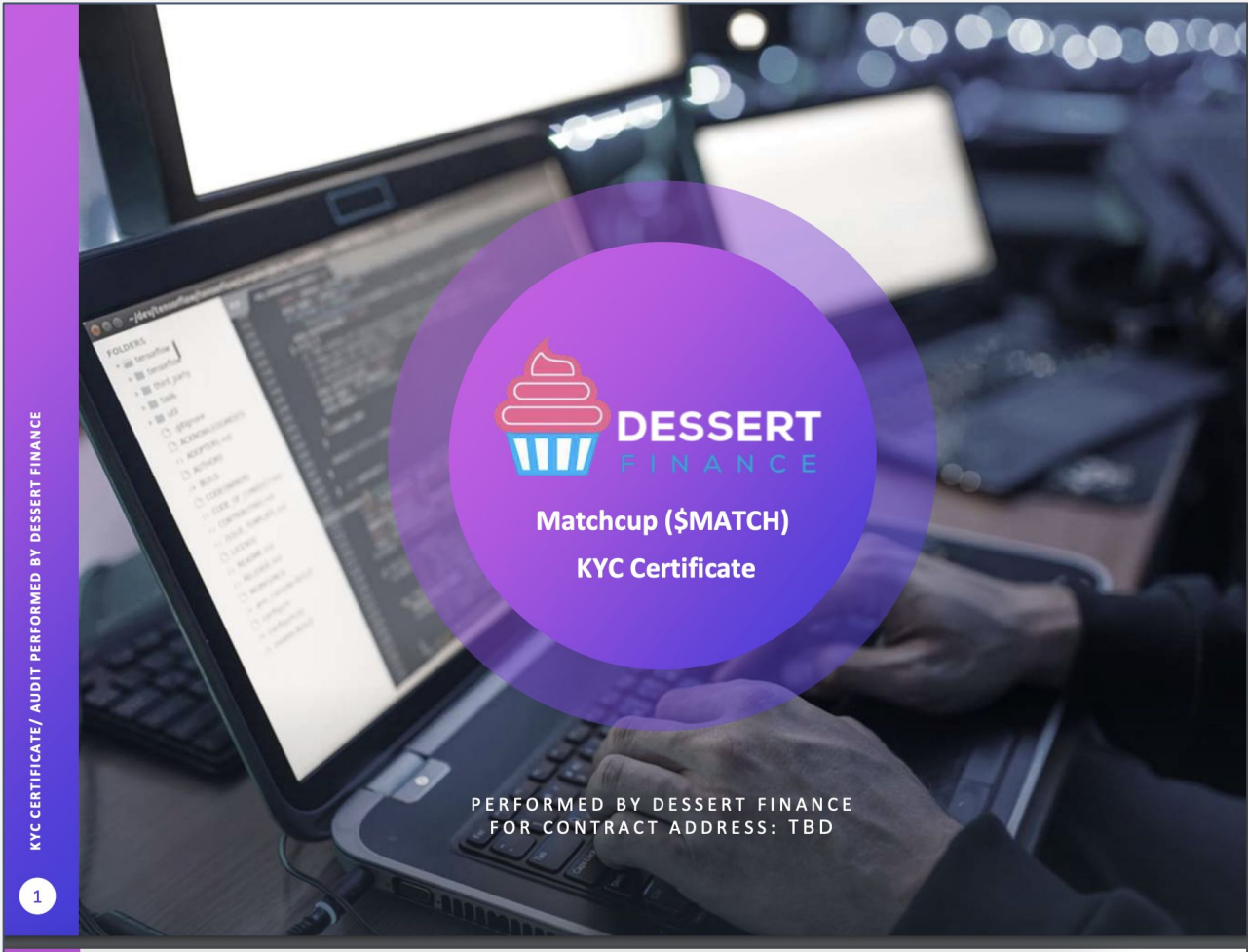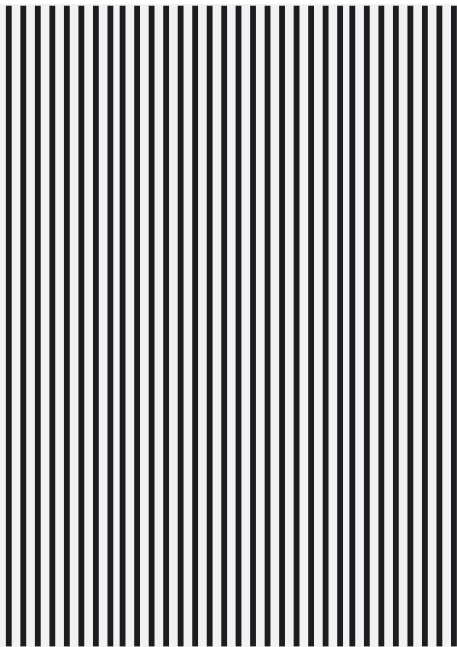
THE TEAM

The team has privately doxxed to Dessert Finance

https://dessertswap.finance/dessertdoxxed/Matchcup-KYC-Certificate.pdf

Website URL
https://matchcup.app/

Domain Registry
https://www.namecheap.com/

Domain Expiration
Expires on 2023-11-19

Technical SEO Test
Passed

Security Test
Passed. SSL certificate present

Design
Single page, appropriate color scheme and graphics.

Content
The information helps new investors understand what the product does, but it is not explained how the product will actually work. No grammar mistakes found.
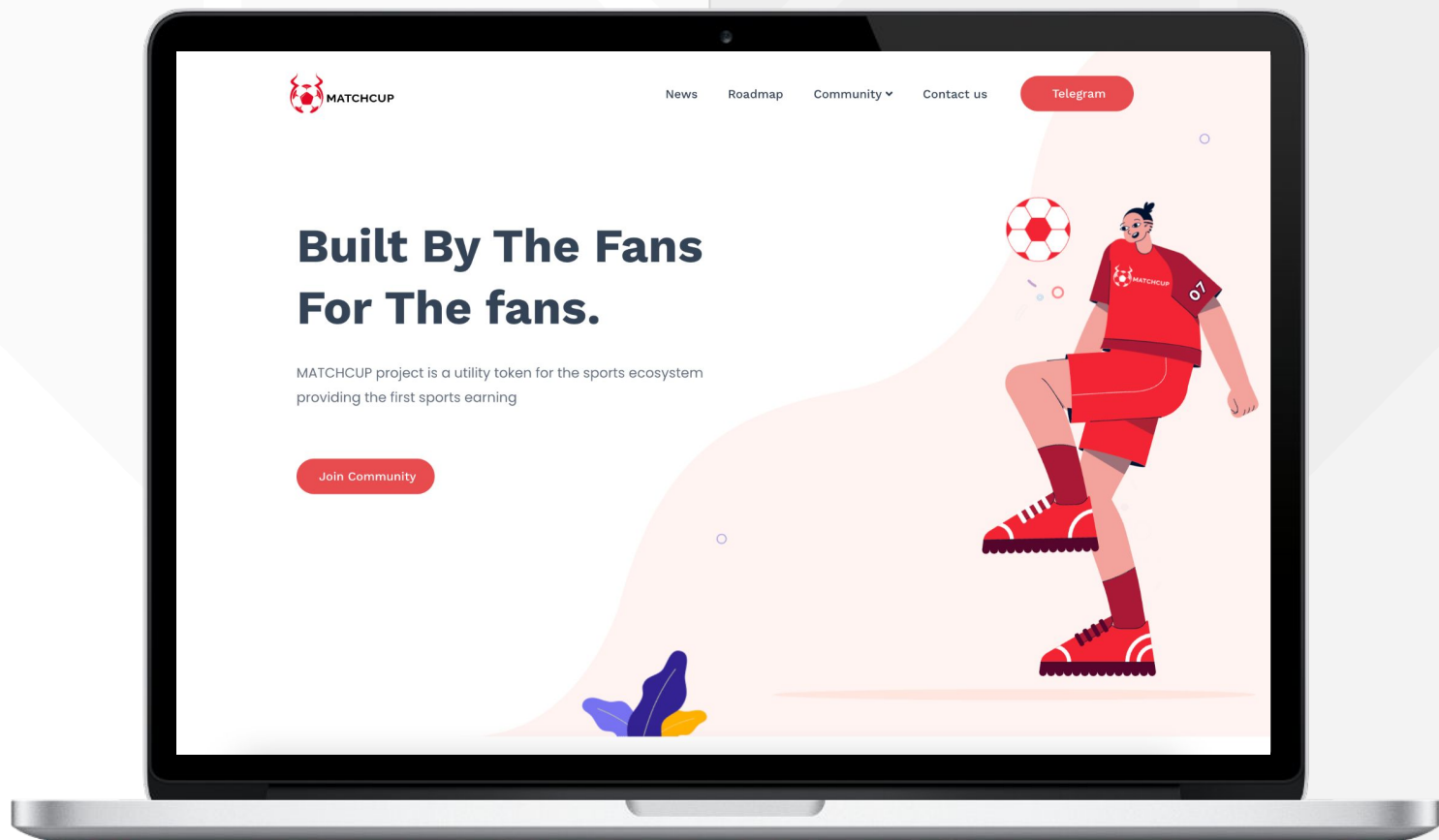
Whitepaper
⚠️ General talk, no specific information about the project mechanics.

Roadmap
Yes, goals set without time frames.
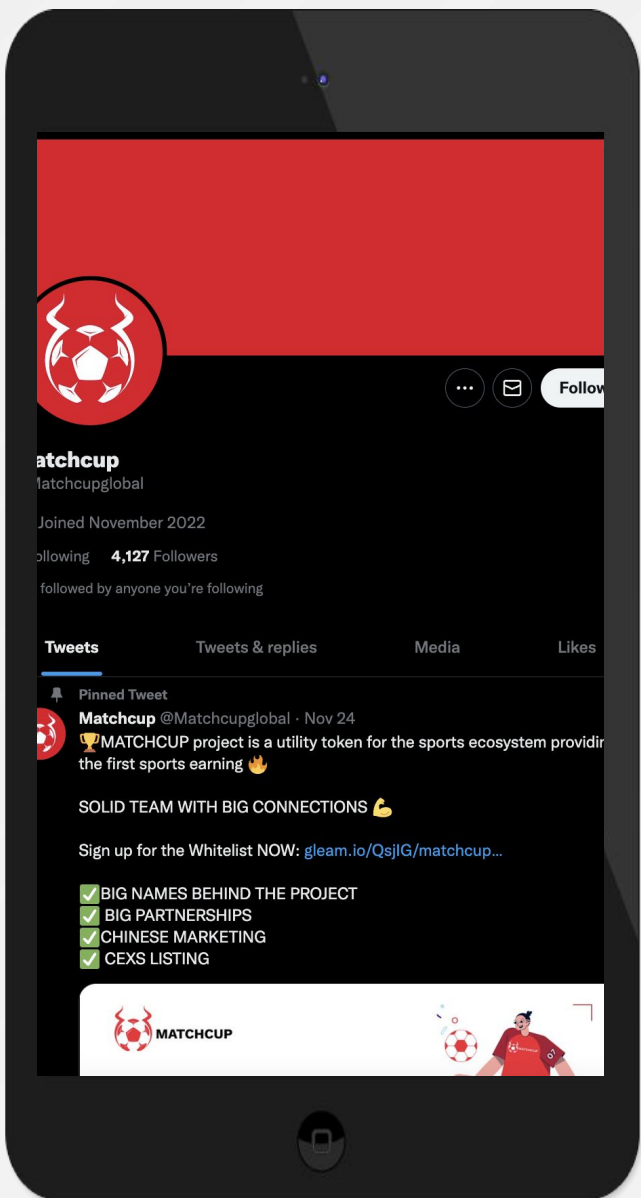
Mobile-friendly?
Yes

MATCHCUP

News   Roadmap   Community ⌄   Contact us   Telegram

Built By The Fans For The fans.

MATCHCUP project is a utility token for the sports ecosystem providing the first sports earning

Join Community

matchcup.app

SOCIAL MEDIA

& ONLINE PRESENCE

ANALYSIS

Project's social media pages are active

Twitter

@Matchcupglobal

- 4 125 followers
- Active
- Posts frequently

Discord

- Not available

Telegram

@Matchcupofficial

- 9 366 members
- Active members
- Active mods

Medium

- Not available

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SPYWOLF
CRYPTO SECURITY

Audits | KYCs | dApps
Contract Development

ABOUT US

We are a growing crypto security agency offering audits, KYCs and consulting services for some of the top names in the crypto industry.

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- ✔ **MORE THAN 500 SCAMS EXPOSED**
- ✔ **MILLIONS SAVED IN POTENTIAL FRAUD**
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To hire us, reach out to contact@spywolf.co or t.me/joe_SpyWolf

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Disclaimer

This report shows findings based on our limited project analysis, following good industry practice from the date of this report, in relation to cybersecurity vulnerabilities and issues in the framework and algorithms based on smart contracts, overall social media and website presence and team transparency details of which are set out in this report. In order to get a full view of our analysis, it is crucial for you to read the full report.

While we have done our best in conducting our analysis and producing this report, it is important to note that you should not rely on this report and cannot claim against us on the basis of what it says or doesn't say, or how we produced it, and it is important for you to conduct your own independent investigations before making any decisions. We go into more detail on this in the disclaimer below – please make sure to read it in full.

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No applications were reviewed for security. No product code has been reviewed.